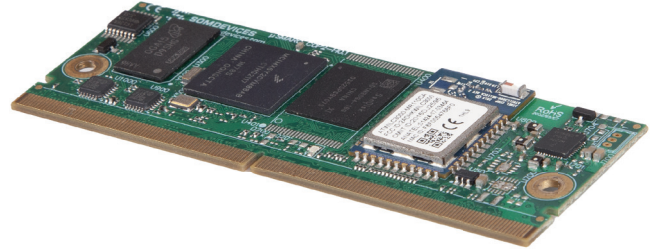
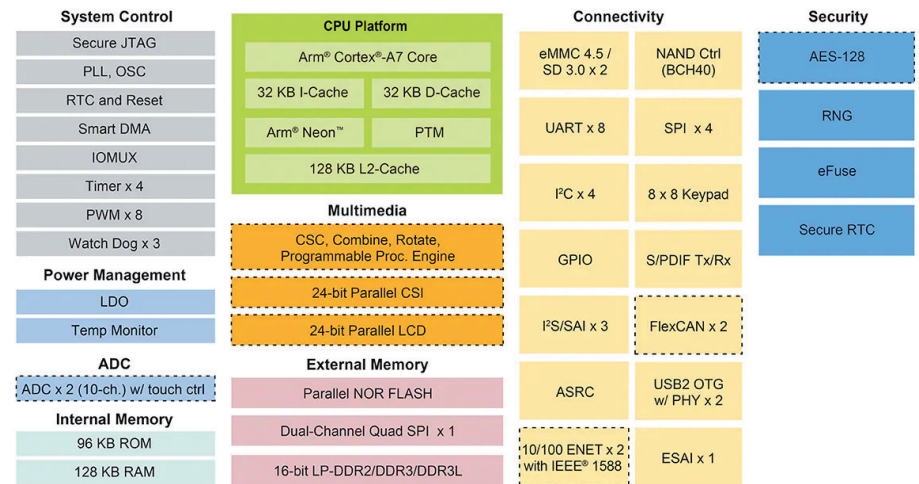


SOMDEVICES μSMARC iMX6ULL



SOMDEVICES μSMARC iMX6ULL product is based on iMX6ULL NXP processor (ARM Cortex-A7) and equipped with WiFi/BT and dual ethernet.

SOMDEVICES presents μSMARC, a NEW smaller mechanical concept form factor beyond SMARC module standard but 100% compatible.



Optional

Benefits

- Low-power
- Low-cost
- Fast time to market
- Industrial grade
- Customizable
- Long term support
- Warranty
- Full open source ecosystem

Specifications

Processor	ARM Cortex-A7 700MHz / 500MHz up to 900MHz
Memory	RAM: From 256MB up to 1GB DDR3L FLASH: From 4GB up to 64GB eMMC (it is possible to use NAND flash)
PMIC	NXP PF1510
Video/Camera	1x LCD (24-bits) PXP (Pixel Processing Pipeline) up to WXGA (1366 x 768) at 60 Hz 1x Camera (parallel 8-bits) supports BT.656 interface
Peripherals	Up to 2x 10/100 Mbps Ethernet Up to 2x CAN 1x I2S 1x I2C 2x SPI (can be used to connect SD connector) 3x UART (2x flow-control 4-wire, 2x 2-wire) 12x GPIOs 1x SDIO (4-bit no WiFi version) 1x USB OTG 1x USB HOST Up to 3x ADC inputs Up to 3x PWM
Wireless	Wifi: WiFi 802.11 b/g/n Bluetooth: 5.0 BLE
Mechanical	New μ SMARC form factor 82x30 mm
Mounting	MXM 3.0 314 pin SMARC connector
Temperature	-40°C to 85°C
Humidity	93% relative Humidity at 40°C, non-condensing (IEC 60068-2-78)
Support	Linux (Yocto, Ubuntu or Debian)

Ordering information

C0P2-V10:	SOMDEVICES μ SMARC iMX6ULL FULL (700MHz/512MB DDR3L/16GB eMMC/WiFi/BT/2x ETH)
C0P2-V11:	SOMDEVICES μ SMARC iMX6ULL NO WIFI (700MHz/512MB DDR3L/16GB eMMC/2x ETH)
C0P2-V??:	SOMDEVICES μ SMARC iMX6ULL/UL/ULZ custom (Contact sales to assemble custom made products such as better project adjustment or large volumes. We are manufacturers.)

